

IN THE CLAIMS:

1. (Currently amended) An insulation package system for insulating an interior of an aircraft, the aircraft comprising:

a fuselage, the fuselage including a plurality of stringers stiffening panels of an outer skin of the fuselage and a rib arranged substantially perpendicularly to a longitudinal direction along an axis of the fuselage of the aircraft, the rib being attached to one of the plurality of stringers at a first end of the rib and having a rib carrier integrated into the rib on an unattached end of the rib and a rib attachment region disposed between the first end and the rib carrier, the rib attachment region having a through-hole through the rib attachment region; and

a pair of fuselage insulation packages, each of the fuselage insulation packages comprising:

a first flat insulation end section integrally extending outwardly from a[[n]] first end of a first one of the pair of the fuselage insulation packages and having a first length;

a second flat insulation end section integrally extending outwardly from a second end of a second one of the pair of the fuselage insulation packages opposite to the first end of the first one of the pair of the fuselage insulation packages and having a second length shorter than the first length of the first flat insulation end section; and

a foil enclosing a burn-through-proof insulation or a burn-through-proof barrier layer or both a burn-through-proof insulation having a first thickness and a burn-through-proof barrier layer having a second thickness less than the first thickness of the burn-through-proof insulation; and

a burn-through-proof first attachment element having a first retainer end at one end of the first attachment element and a second retainer end at an opposite end of the first attachment element, the first attachment element being disposed through the through-hole of the rib attachment region such that the first retainer end is on one side of the rib attachment region and the second retainer end is on the an opposite side of the rib attachment region, wherein the first retainer end of the first attachment element attaches both of the first flat insulation end section

of the first one of the pair of fuselage insulation packages and the second flat insulation end section of the second one ~~other~~ of the pair of fuselage insulation packages to the rib attachment region of the rib ~~through~~ via a hole in each of the first flat insulation end section and the second flat insulation end section of the pair of fuselage insulation packages such that a portion of each of the pair of fuselage insulation packages overlap, and the first one of the pair of fuselage insulation packages being attached ~~by~~ via the hole in the first flat insulation end section is also retained on the opposite side of the rib attachment region by ~~passing~~ the second retainer end of the attachment element passing through a second hole formed in the ~~respective~~ first one of the pair of fuselage insulation packages.

2. (Currently amended) An insulation package arrangement for insulating an interior of a fuselage of an aircraft, the fuselage comprising a plurality of stringers for stiffening of an outer skin of the fuselage and at least two ribs having a portion arranged substantially perpendicularly to a longitudinal axis of the aircraft at a specified distance from one another, the at least two ribs being attached to one of the plurality of stringers, and the at least two ribs each comprise a rib carrier being integrated into said ribs at an unattached end of the at least two ribs, an attachment end attaching each of the at least two ribs to one of the plurality of stringers, and a rib attachment region in the portion arranged substantially perpendicularly to the longitudinal axis of the aircraft being arranged below a longitudinal side of each of the at least two ribs adjacent to the attachment region, the insulation package arrangement comprising:

at least two fuselage insulation packages having an elongated package shape, and being situated in a direction of a longitudinal axis of the fuselage, wherein each of the at least two fuselage insulation packages rest longitudinally against a support surface of one of the plurality of stringers;

wherein each of the at least two fuselage insulation packages are attached to the fuselage or are placed to rest against an inner area of a panel of the outer skin;

wherein each of the at least two fuselage insulation packages are arranged to be completely enclosed by a foil and within a space enclosed by interior paneling and by panels forming the outer skin of the fuselage;

a burn-through-proof attachment element, wherein each of the at least two fuselage insulation packages continue outward with a flat insulation end section on an end of the fuselage insulation package such that the at least two fuselage insulation packages are attached overlappingly with the burn-through-proof attachment element to one of the at least two ribs in the rib attachment region of the respective one of the at least two ribs; and

wherein a through hole is drilled through the rib attachment region, and a first hole is formed in a package region of a first one each of the at least two fuselage insulation packages, and a second hole is formed in the flat insulation end section of the first one each of the at least two fuselage insulation packages, and a third hole is formed in the flat insulation end section of a second one of the at least two fuselage insulation packages, and a fourth hole is formed in a package region of the second one of the at least two fuselage insulation packages, wherein the first hole and the second hole are retained on opposite sides of the rib attachment region by the burn-through-proof attachment element.

3. (Currently amended) The insulation package arrangement of claim 2, wherein the burn-through-proof attachment element comprises a burn-through-proof insulation pin, and the burn-through-proof attachment element is fed through the first hole of the first one of the at least two insulation packages, the through hole of a respective one of the rib attachment regions of the at least two ribs, the third hole of the second one of the at least two insulation packages, and the second hole of the first one each of the at least two insulation packages, when arranged so as to be substantially congruently aligned with the through hole of the respective one of the rib attachment regions of the at least two ribs.

4. (Previously presented) The insulation package arrangement of claim 3, wherein the insulation pin has an elongated cylindrical core element and a flange-like elevation formed at each end of the core element, and a casing formed around the core element.

5. (Currently amended) The insulation package arrangement of claim 4, wherein the core element is embedded in the casing made of a plastic[-like] material.

6. (Previously presented) The insulation package arrangement of claim 4, wherein a flange extends outwardly in a radial direction from a middle portion of the insulation pin, and a plurality of pine-tree-shaped elevations are formed in the casing along the surface of the casing along the length of the insulation pin, such that the ridges formed by the pine-tree-shaped elevations are spaced apart from each other.

7. (Previously cancelled)

8. (Previously presented) The insulation package arrangement of claim 4, wherein the end region of the casing is dome-shaped, wherein the external shape of said end region has the shape of a paraboloid, and the branch end of the parabola is continued by a stepped gradation drawn inward radially in relation to the pin axis.

9. (Previously presented) The insulation package arrangement of claim 4, wherein the core element is made from metal, and the casing comprises a plastic having a much lower thermal conductivity than the thermal conductivity of the metal of the core element.

10. (Currently amended) The insulation package arrangement of claim 1, further comprising a second attachment element, wherein the second attachment element is shaped as a truncated-cone body comprising:

an insulated disc or ring element designed so as to be burn-through-proof and joined to a burn-through proof insulation jacket, whose base area and cover area are implemented with insulation discs or ring elements which are designed so as to be burn-through proof[,] and

~~being joined by a burn through proof insulation jacket on the side of the disc margin or ring margin by a disc or ring of a larger external circumference.~~

11. (Currently amended) The insulation package arrangement of claim 10, wherein ~~the cover area of the insulated disc or ring element of the truncated-cone body of the second attachment element comprise~~^{[[s]]} a first insulation disc with a hole formed in the middle portion of the first insulation disc, the diameter of the hole being less than the external diameter ~~of the end region of [[the]] a dome-shaped casing of an end region of each of the first retainer end and the second retainer end of the first attachment element~~ such that the second attachment element fits over the dome-shaped casing of the first attachment element with a tight fit.

12. (Currently amended) The insulation package arrangement of claim 10, wherein the insulated disc or ring element cover area of the truncated-cone body made of plastic comprises a first ~~plastic-like~~ insulation ring of a larger circumference and a second ~~plastic-like~~ insulation ring of a smaller circumference, wherein on the interior diameter of the first insulation ring and on the exterior diameter of the second insulation ring, several insulation braces^{[[,]]} are spaced apart on the circumference, ~~are attached in vertical position.~~

13. (Previously cancelled)

14. (Previously presented) The insulation package arrangement of claim 10, wherein a disc-shaped core element is embedded in a casing.

15. (Currently amended) The insulation package arrangement of claim 14, wherein the disc-shaped core element is made from a metal, and the casing comprises a plastic material having a lower thermal conductivity than the metal of the disc-shaped core element.

16. (Previously cancelled)

17. (Previously cancelled)

18. (Previously cancelled)

19. (Previously cancelled)

20. (Previously cancelled)

21. (Previously presented) The insulation package arrangement of claim 1, further comprising an additional attachment element, wherein the additional attachment element is a rivet, comprising steel or titanium, or is a screw connection element comprising steel or titanium or plastic.

22. (Currently amended) The insulation package arrangement of claim 21, wherein the additional attachment element is a screw connection element and the screw connection element is retained by a nut made from an aramide or a carbon fiber reinforced plastic (CFK) CFK material.

23. (Previously presented) The insulation package system of claim 1, wherein the foil encloses both a burn-through-proof insulation having a first thickness and a burn-through-proof barrier layer having a second thickness less than the first thickness of the burn-through-proof insulation.

24. (Currently amended) The insulation package system of claim 1, further comprising: ~~wherein the attachment element comprises~~ a first retainer attached to the first retainer end and a

second retainer attached to the second retainer end such that the first retainer covers the hole in each of the flat insulation sections of the pair of fuselage insulation packages and the second retainer covers the hole in the respective first one of the pair of fuselage insulation packages on the opposite side of the rib attachment region.

25. (Currently amended) The insulation package system of claim 24, wherein the first attachment element further comprises a burn-through-proof pin, the pin extending from the first retainer end to the second retainer end, the pin having a first retention flange at one end of the pin and a second retention flange at an opposite end of the pin.

26. (Previously presented) The insulation package system of claim 25, wherein at least a portion of the pin is encased in a plastic casing.

27. (Previously presented) The insulation package system of claim 26, wherein the plastic casing includes a central flange disposed between the first retainer end and the second retainer end, the central flange extending outwardly, in a radial direction from the pin.

28. (Previously presented) The insulation package system of claim 27, wherein the plastic casing defines a three-dimensional shape having a plurality of pine-tree-shaped elevations on each of the first retainer end and the second retainer end for retaining the first retainer and the second retainer, respectively.

29. (Previously presented) The insulation package system of claim 28, wherein the first retainer and the second retainer are each comprised of a disk of a first burn-through-proof material having a central hole and a first surface and a second surface opposite of the first surface and a shaped flange encasing at least a portion of the disk and extending from the disk

in the direction of one of the first surface or the second surface, the shaped flange being of a second material, different than the first material.

30. (Previously presented) The insulation package system of claim 29, wherein a surface of the shaped flange of the first retainer and the second retainer is formed in the shape of a paraboloid.